

. model small

. data

n dw 4

r dw 2

ncr dw 0

. code

mov ax, @data

mov ds, ax

mov ax, n

mov bx, r

call ncrpro

call disp

jmp final

ncrpro proc near

cmp ax, bx

je yes1

cmp bx, 0

je yes1

cmp bx, 1

je yesn

dec ax

cmp ax, bx

jme incr

push ax

Teacher's Signature \_\_\_\_\_

```
    push bx
    call ncrpro
pop bx
pop ax
dec bx
push ax
push bx
call ncrpro
pop bx
pop ax
ret
next: inc ncr
    ret
incr: inc ncr
next: add ncr, ax
    ret
ncrpro endp
```

```
disp proc near
    mov bx, ncr
    add bx, 3030h
    mov dl, bh
    mov ah, 02h
    int 21h
    ret
disp endp
```

```
final: mov ah, 4ch
    int 21h
end
```